

Access DB# _____

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: _____ Examiner #: _____ Date: _____
 Art Unit: _____ Phone Number 30 _____ Serial Number: _____
 Mail Box and Bldg/Room Location: _____ Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: _____	NA Sequence (#) _____	STN _____
Searcher Phone #: _____	AA Sequence (#) _____	Dialog _____
Searcher Location: _____	Structure (#) _____	Questel/Orbit _____
Date Searcher Picked Up: _____	Bibliographic _____	Dr.Link _____
Date Completed: <u>8/10</u>	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time: _____	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: _____	Other _____	Other (specify) _____

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 8, 2004, 01:29:29 ; Search time 270.189 Seconds
(without alignments)
1451.768 Million cell updates/sec

Title: US-09-810-521-6
Perfect score: 80
Sequence: 1 gtaggttttttgcggggtt.....ctatgagcacaggttaaca 80

Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 3222919 seqs, 2451570024 residues

Total number of hits satisfying chosen parameters: 6445938

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications, NA:*

- 1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*
- 2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:*
- 3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
- 4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*
- 5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*
- 6: /cgn2_6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq:*
- 7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:*
- 8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
- 9: /cgn2_6/ptodata/1/pubpna/US09A_PUBCOMB.seq:*
- 10: /cgn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq:*
- 11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq:*
- 12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*
- 13: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*
- 14: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq:*
- 15: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq:*
- 16: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq:*
- 17: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
- 18: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
- 19: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	ID	Description
1	80	100.0	80	9	US-09-810-521-6
2	80	100.0	80	13	US-09-801-321A-6
3	80	100.0	80	15	US-10-337-985-6
4	63.2	79.0	79	9	US-09-810-521-4
5	63.2	79.0	79	13	US-09-801-321A-4
6	63.2	79.0	79	15	US-10-337-985-4
7	63.2	79.0	1026	10	US-09-746-660A-53
8	63.2	79.0	1411	7	US-08-952-976-14
9	63.2	79.0	1411	15	US-10-226-136-14
c 10	63.2	79.0	3309400	9	US-09-738-626-1
11	61.6	77.0	79	9	US-09-810-521-5
12	61.6	77.0	79	13	US-09-801-321A-5
13	61.6	77.0	79	15	US-10-337-985-5
c 14	38.4	48.0	40	9	US-09-810-521-18

c 15	38.4	48.0	40	13	US-09-801-321A-16	Sequence 16, Appl
c 16	38.4	48.0	40	15	US-10-337-985-16	Sequence 16, Appl
c 17	37.4	46.8	39	9	US-09-810-521-17	Sequence 17, Appl
c 18	37.4	46.8	39	13	US-09-801-321A-15	Sequence 15, Appl
c 19	37.4	46.8	39	15	US-10-337-985-15	Sequence 15, Appl
c 20	32	40.0	40	9	US-09-810-521-16	Sequence 16, Appl
c 21	32	40.0	40	13	US-09-801-321A-14	Sequence 14, Appl
c 22	32	40.0	40	15	US-10-337-985-14	Sequence 14, Appl
c 23	29.2	36.5	160771	17	US-10-450-826-86	Sequence 86, Appl
c 24	29	36.2	513	13	US-10-027-632-232198	Sequence 232198,
c 25	29	36.2	513	13	US-10-027-632-232199	Sequence 232199,
c 26	29	36.2	513	16	US-10-027-632-232198	Sequence 232198,
c 27	29	36.2	513	16	US-10-027-632-232199	Sequence 232199,
c 28	28.6	35.8	636	13	US-10-424-599-113583	Sequence 113583,
c 29	28.6	35.8	198285	9	US-09-880-107-3814	Sequence 3814, Ap
c 30	28.2	35.2	60461	16	US-10-341-434-82	Sequence 82, Appl
c 31	28	35.0	693	16	US-10-260-238-1726	Sequence 1726, Ap
c 32	28	35.0	1613	16	US-10-260-238-2531	Sequence 2531, Ap
c 33	27.4	34.2	472	13	US-10-085-783A-36975	Sequence 36975, A
c 34	27.4	34.2	472	16	US-10-242-535A-36975	Sequence 36975, A
c 35	27.4	34.2	1029	13	US-10-027-632-85566	Sequence 85566, A
c 36	27.4	34.2	1029	16	US-10-027-632-85566	Sequence 85566, A
c 37	27.4	34.2	6558	9	US-09-764-877-3503	Sequence 3503, Ap
c 38	27.4	34.2	6558	16	US-10-242-515-3503	Sequence 121328,
c 39	27.2	34.0	849	13	US-10-027-632-121328	Sequence 121328,
c 40	27.2	34.0	849	16	US-10-027-632-121328	Sequence 121328,
c 41	27.2	34.0	96599	12	US-09-997-722-199	Sequence 199, App
c 42	26.6	33.2	402850	10	US-09-844-653-5	Sequence 5, Appli
c 43	26.4	33.0	6504	17	US-10-437-963-93127	Sequence 93127, A
c 44	26.2	32.8	289	13	US-10-424-599-87525	Sequence 87525, A
c 45	26.2	32.8	696	13	US-10-027-632-136631	Sequence 136631,

ALIGNMENTS

RESULT 1

US-09-810-521-6
; Sequence 6, Application US/09810521
; Patent No. US20020055153A1
; GENERAL INFORMATION:
; APPLICANT: KREUTZER, CAROLINE
; APPLICANT: MOCKEL, BETTINA
; APPLICANT: PFEFFERLE, WALTER
; APPLICANT: EGGELING, LOTHAR
; APPLICANT: SAHM, HERMANN
; APPLICANT: PATEK, MIROSLAV
; TITLE OF INVENTION: L-LYSINE PRODUCING CORYNEBACTERIA AND
; TITLE OF INVENTION: PROCESS FOR THE PREPARATION OF LYSINE
; FILE REFERENCE: 21123/278416/NAS
; CURRENT APPLICATION NUMBER: US/09/810,521
; CURRENT FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: DE 199 31314.8
; PRIOR FILING DATE: 1999-05-07
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 80
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: dapa promoter of C. glutamicum with the
; OTHER INFORMATION: MAL6 mutation
; NAME/KEY: mutation
; LOCATION: (35)..(53)
US-09-810-521-6

Query Match 100.0%; Score 80; DB 9; Length 80;
Best Local Similarity 100.0%; Fred. No. 1.4e-18;
Matches 80; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTAGGTTTTTCGGGGTGTGTTTAAACCCCAAAATGAGGAGAGGTATATTGAAC 60

Db

1 GTTAGGTTTTTCGGGGGTTGTTTACCCCCAAATGACGGAGCAAGGTATAATTGAAC 60

Qy 61 CTATGAGCACAGGTTTAA 80
|||
Db 61 CTATGAGCACAGGTTTAA 80

RESULT 2

```

US-09-801-321A-6
; Sequence 6, Application US/09801321A
; Publication No. US20020086371A1
; GENERAL INFORMATION:
; APPLICANT: Kreutzer, Caroline
; APPLICANT: Hans, Stephan
; APPLICANT: Rieping, Mechthild
; APPLICANT: Mockel, Bettina
; APPLICANT: Pfeifferle, Walter
; APPLICANT: Eggeling, Lothar
; APPLICANT: Salm, Hermann
; APPLICANT: Patek, Miroslav
; TITLE OF INVENTION: L-Lysine-Producing Corynebacterium and Process for the Preparation
; TITLE OF INVENTION: of L-lysine
; FILE REFERENCE: 21123/278409
; CURRENT APPLICATION NUMBER: US/09/801,321A
; CURRENT FILING DATE: 2001-03-08
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 6
; LENGTH: 80
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(80)
; OTHER INFORMATION: dapA promoter of C. glutamicum carrying the MA16 mutation
; NAME/KEY: mutation
; LOCATION: (35)..(53)
US-09-801-321A-6

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Query Match      100.0%; Score 80; DB 13; Length 80;
Best Local Similarity 100.0%; Pred. No. 1.4e-18;
Matches 80; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 GTTAGGTTTTTTCGGGGTTGTTTAAACCCCAAAATGAGGGAAGGTATAATTGAAC 60

Db 1 GTTAGGTTTTTTCGGGGTTGTTTAAACCCCAAAATGAGGGAAGGTATAATTGAAC 60

QY 61 CTATGAGCACAGGTTTAAACA 80
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Db 61 CTATGAGCACAGGTTTAAACA 80

RESULT 3

```

US-10-337-985-6
; Sequence 6, Application US/10337985
; Publication No. US20030162269A1
; GENERAL INFORMATION:
; APPLICANT: Kreutzer, Caroline
; APPLICANT: Hans, Stephan
; APPLICANT: Rieping, Mechthild
; APPLICANT: Mockel, Bettina
; APPLICANT: Pfefferle, Walter
; APPLICANT: Eggeling, Lothar
; APPLICANT: Sahm, Hermann
; APPLICANT: Patek, Mirosław
; TITLE OF INVENTION: L-Lysine-Producing Corynebacterium and Process for the Preparation of L-Lysine
; FILE REFERENCE: 21123/278409
; CURRENT APPLICATION NUMBER: US/10/337,985
; CURRENT FILING DATE: 2003-01-08
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.0

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; SEQ ID NO 6
; LENGTH: 80
; TYPE: DNA
; ORGANISM:
; FEATURE:
; NAME/KEY:
; LOCATION:
; OTHER INFO:
; FEATURE:
; NAME/KEY:
; LOCATION:
; US-10-337-985-

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Query Match	100.0%	Score 80;	DB 15;	Length 80;
Best Local Similarity	100.0%	Pred. No. 1.4e-18;		
Matches 80;	Conservative	0;	Mismatches 0;	Indels 0;
Gaps	0;			

QY 1 GTTAGGTTTTTTCGGGGTGTGTTTAAACCCCAAAATGAGGGAAGGTATAATTGAAC 60

D6 1 GTTAGGTTTTTTCGGGGTGTGTTTAAACCCCAAAATGAGGGAAGGTATAATTGAAC 60

Qy 61 CTATGAGCACAGGTTTAAACA 80
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Db 61 CTATGAGCACAGGTTTAAACA 80

RESULT 4

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US-09-810-521-4
; Sequence 4, Application US/09810521
; Patent No. US20020055153A1
; GENERAL INFORMATION:
; APPLICANT: KREUTZER, CAROLINE
; APPLICANT: MCKEL, BETTINA
; APPLICANT: PFEFFERLE, WALTER
; APPLICANT: EGGELE, LOTHAR
; APPLICANT: SAWH, HERMANN
; APPLICANT: PATEK, MIROSLAV
; TITLE OF INVENTION: L-LYSINE PRODUCING CORYNEBACTERIA AND
; FILE REFERENCE: 21123/278416/MAS
; CURRENT APPLICATION NUMBER: US/09/810,521
; CURRENT FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: DE 199 31314.8
; PRIOR FILING DATE: 1999-05-07
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ. ID NO. 4
; LENGTH: 79
; TYPE: DNA
; ORGANISM: Corynebacterium glutamicum
; FEATURE:
; OTHER INFORMATION: dapA wild-type promoter
US-09-810-521-4

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Query Match	79.0%;	Score 63.2;	DB 9;	Length 79;
Best Local Similarity	95.0%;	Pred. No. 1.3e-12;		
Matches 76;	Conservative	0;	Mismatches 3;	Indels 1;
				Gaps 1;

Qy 1 GTTAGGTTTTTGGGGGGTTGTTTAACCCCAAATCAGGGAGCAAGGTATAATTGAAC T 60

Dβ 1 GTTAGGTTTTTGGGGGGTTGTTTAACCCCC - AATCAGGGAGCAAGGTAAACCTTGAAC T 59

QY 61 CTATGAGCACAGGTTTAA 80
|||
Db 60 CTATGAGCACAGGTTTAA 79

RESULT 5

US-09-801-321A-4 ; Sequence 4, Application US/09801321A
; Publication No. US20020086371A1
; GENERAL INFORMATION:
; APPLICANT: Kreutzer, Caroline

APPLICANT: Hans, Stephan
APPLICANT: Rieping, Mechthild
APPLICANT: Mockel, Bettina
APPLICANT: Pfefferle, Walter
APPLICANT: Eggeling, Lothar
APPLICANT: Sahn, Hermann
APPLICANT: Patek, Mirosław
TITLE OF INVENTION: L-Lysine-Producing Corynebacterium and Process for the Preparation of L-Lysine
FILE REFERENCE: 21123/278409
CURRENT APPLICATION NUMBER: US/09/801,321A
CURRENT FILING DATE: 2001-03-08
NUMBER OF SEQ ID NOS: 16
SOFTWARE: PatentIn version 3.0
SEQ ID NO 4
LENGTH: 79
TYPE: DNA
ORGANISM: Corynebacterium glutamicum
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)..(79)
OTHER INFORMATION: dapA wild type promoter
US-09-801-321A-4

Query Match 79.0%; Score 63.2; DB 13; Length 79;
Best Local Similarity 95.0%; Pred. No. 1.3e-12;
Matches 76; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY 1 GTTAGGTTTTTGGCGGGTGTGTTAAACCCCAAAATGAGGGAAGAGGTATATTGAAC 60
|||||
DB 1 GTTAGGTTTTTGGCGGGTGTGTTAAACCCCAAAATGAGGGAAGAGGTATATTGAAC 59
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QY 61 CTATGAGCACAGGTTTAAACA 80
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DB 60 CTATGAGCACAGGTTTAAACA 79
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RESULT 6
US-10-337-985-4
Sequence 4, Application US/10337985
Publication No. US20030162269A1
GENERAL INFORMATION:
APPLICANT: Kreutzer, Caroline
APPLICANT: Hans, Stephan
APPLICANT: Rieping, Mechthild
APPLICANT: Mockel, Bettina
APPLICANT: Pfefferle, Walter
APPLICANT: Eggeling, Lothar
APPLICANT: Sahn, Hermann
APPLICANT: Patek, Mirosław
TITLE OF INVENTION: L-Lysine-Producing Corynebacterium and Process for the Preparation of L-Lysine
FILE REFERENCE: 21123/278409
CURRENT APPLICATION NUMBER: US/10/337,985
CURRENT FILING DATE: 2003-01-08
NUMBER OF SEQ ID NOS: 16
SOFTWARE: PatentIn version 3.0
SEQ ID NO 4
LENGTH: 79
TYPE: DNA
ORGANISM: Corynebacterium glutamicum
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)..(79)
OTHER INFORMATION: dapA wild type promoter
US-10-337-985-4

Query Match 79.0%; Score 63.2; DB 15; Length 79;
Best Local Similarity 95.0%; Pred. No. 1.3e-12;
Matches 76; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY 1 GTTAGGTTTTTGGCGGGTGTGTTAAACCCCAAAATGAGGGAAGAGGTATATTGAAC 60
|||||

DB 1 GTTAGGTTTTTGGCGGGTGTGTTAAACCCCAAAATGAGGGAAGAGGTATATTGAAC 59
QY 61 CTATGAGCACAGGTTTAAACA 80
|||||
DB 60 CTATGAGCACAGGTTTAAACA 79
|||||

RESULT 7
US-09-746-660A-53
Sequence 53, Application US/09746660A
Publication No. US20030049804A1
GENERAL INFORMATION:
APPLICANT: Pompejus, Markus
APPLICANT: Kroger, Burkhard
APPLICANT: Schroder, Hartwig
APPLICANT: Zelder, Oskar
APPLICANT: Haberhauer, Gregor
APPLICANT: Kim, Jun-Won
APPLICANT: Lee, Heung-Schick
APPLICANT: Hwang, Byung-Joon
TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING
TITLE OF INVENTION: METABOLIC PATHWAY PROTEINS
FILE REFERENCE: BGI-121CP2
CURRENT APPLICATION NUMBER: US/09/746,660A
CURRENT FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 09/606740
PRIOR FILING DATE: 2000-06-23
PRIOR APPLICATION NUMBER: 09/603124
PRIOR FILING DATE: 2000-06-23
PRIOR APPLICATION NUMBER: 60/141031
PRIOR FILING DATE: 1999-06-25
PRIOR APPLICATION NUMBER: 60/142101
PRIOR FILING DATE: 1999-07-02
PRIOR APPLICATION NUMBER: 60/148613
PRIOR FILING DATE: 1999-08-12
PRIOR APPLICATION NUMBER: 60/187970
PRIOR FILING DATE: 2000-03-09
PRIOR APPLICATION NUMBER: DE 19931420.9
PRIOR FILING DATE: 1999-07-08
NUMBER OF SEQ ID NOS: 125
SOFTWARE: PatentIn Vers. 2.0
SEQ ID NO 53
LENGTH: 1026
TYPE: DNA
ORGANISM: Corynebacterium glutamicum
FEATURE:
NAME/KEY: CDS
LOCATION: (101)..(1003)
OTHER INFORMATION: RXA00865
US-09-746-660A-53

Query Match 79.0%; Score 63.2; DB 10; Length 1026;
Best Local Similarity 95.0%; Pred. No. 3.2e-12;
Matches 76; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY 1 GTTAGGTTTTTGGCGGGTGTGTTAAACCCCAAAATGAGGGAAGAGGTATATTGAAC 60
|||||
DB 40 GTTAGGTTTTTGGCGGGTGTGTTAAACCCCAAAATGAGGGAAGAGGTATATTGAAC 98
|||||

QY 61 CTATGAGCACAGGTTTAAACA 80
|||||
DB 99 CTATGAGCACAGGTTTAAACA 118
|||||

RESULT 8
US-08-952-976-14
Sequence 14, Application US/08952976
Publication No. US20020086370A1
GENERAL INFORMATION:
APPLICANT: OTSUNA, Seiko
APPLICANT: SUGIMOTO, Masakazu
APPLICANT: IZUI, Masako
APPLICANT: HAYAKAWA, Atsushi

APPLICANT: NAKANO, Eiichi
 APPLICANT: KOBAYASHI, Masaki
 APPLICANT: YOSHIMURA, Yasuhiro
 APPLICANT: NAKAMATSU, Tsuyoshi
 TITLE OF INVENTION: METHOD OF PRODUCING L-LYSINE
 NUMBER OF SEQUENCES: 24
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MAIER & NEUSTADT, P.C.
 STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, FOURTH FLOOR
 CITY: ARLINGTON
 STATE: VA
 COUNTRY: USA
 ZIP: 22202

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/952,976
 FILING DATE: 8-DEC-1997
 CLASSIFICATION: 435

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: JP 7-140614
 FILING DATE: 07-JUL-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: NORMAN F. OBLON
 REGISTRATION NUMBER: 24,618
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 703-413-3000
 TELEFAX: 703-413-2220

INFORMATION FOR SEQ ID NO: 14:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1411 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 ORGANISM: Brevibacterium lactofermentum
 STRAIN: ATCC 13869

FEATURE:
 NAME/KEY: CDS
 LOCATION: 311..1213
 US-08-952-976-14

Query Match 79.0%; Score 63.2; DB 7; Length 1411;
 Best Local Similarity 95.0%; Pred. No. 3.6e-12;
 Matches 76; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY 1 GTTAGGTTTTTGGGGGTTGTTTAAACCCCAAAATGAGGGAAGGTTATTAATGAACT 60
 DB 250 GTTAGGTTTTTGGGGGTTGTTTAAACCCCAAAATGAGGGAAGGTTATTAATGAACT 308
 QY 61 CTATGAGCACAGGTTTAAAC 80
 DB 309 CTATGAGCACAGGTTTAAAC 328

RESULT 9
 US-10-226-136-14
 ; Sequence 14, Application US/10226136
 ; Publication No. US20030054506A1
 ; GENERAL INFORMATION:
 ; APPLICANT: OTSUNA, Seiko
 ; SUGIMOTO, Masakazu
 ; IZUI, Masako
 ; HAYAKAWA, Acsushi
 ; NAKANO, Eiichi
 ; KOBAYASHI, Masaki
 ; YOSHIMURA, Yasuhiro
 ; NAKAMATSU, Tsuyoshi

TITLE OF INVENTION: METHOD OF PRODUCING L-LYSINE
 NUMBER OF SEQUENCES: 24
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MAIER & NEUSTADT, P.C.
 STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, FOURTH FLOOR
 CITY: ARLINGTON
 STATE: VA
 COUNTRY: USA
 ZIP: 22202

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/10/226,136
 FILING DATE: 23-AUG-2002
 CLASSIFICATION: <unknown>

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/952,976
 FILING DATE: 8-DEC-1997
 APPLICATION NUMBER: JP 7-140614
 FILING DATE: 07-JUL-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: NORMAN F. OBLON
 REGISTRATION NUMBER: 24,618
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 703-413-3000
 TELEFAX: 703-413-2220

INFORMATION FOR SEQ ID NO: 14:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1411 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 ORGANISM: Brevibacterium lactofermentum
 STRAIN: ATCC 13869

FEATURE:
 NAME/KEY: CDS
 LOCATION: 311..1213
 US-10-226-136-14

Query Match 79.0%; Score 63.2; DB 15; Length 1411;
 Best Local Similarity 95.0%; Pred. No. 3.6e-12;
 Matches 76; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY 1 GTTAGGTTTTTGGGGGTTGTTTAAACCCCAAAATGAGGGAAGGTTATTAATGAACT 60
 DB 250 GTTAGGTTTTTGGGGGTTGTTTAAACCCCAAAATGAGGGAAGGTTATTAATGAACT 308
 QY 61 CTATGAGCACAGGTTTAAAC 80
 DB 309 CTATGAGCACAGGTTTAAAC 328

RESULT 10
 US-09-738-626-1/c
 ; Sequence 1, Application US/09738626
 ; Publication No. US20020197605A1
 ; GENERAL INFORMATION:
 ; APPLICANT: NAKAGAWA, SATOSHI
 ; APPLICANT: MIZOGUCHI, HIROSHI
 ; APPLICANT: ANDO, SEIKO
 ; APPLICANT: HAYASHI, MIKIRO
 ; APPLICANT: OCHIAI, KEIKO
 ; APPLICANT: YOKOI, HARUHIKO
 ; APPLICANT: TATEISHI, NAKO
 ; APPLICANT: SENOH, AKIHIRO
 ; APPLICANT: IKEDA, MASATO

```
; APPLICANT: OZAKI, AKIO
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-125
; CURRENT APPLICATION NUMBER: US/09/738,626
; PRIOR APPLICATION NUMBER: JP 99/377484
; PRIOR FILING DATE: 2000-12-18
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: JP 00/159162
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: JP 00/280988
; PRIOR FILING DATE: 2000-08-03
; NUMBER OF SEQ ID NOS: 7059
; SOFTWARE: PatentIn ver. 3.0
; SEQ ID NO 1
; LENGTH: 3309400
; TYPE: DNA
; ORGANISM: Corynebacterium glutamicum
US-09-738-626-1

Query Match          79.0%; Score 63.2; DB 9; Length 3309400;
Best Local Similarity 95.0%; Pred. No. 5.4e-11;
Matches 76; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY 1 GTTAGGTTTTTGGGGGTTGTTTAAACCCCAAAATGAGGGAAGAGGTATAATTGAACT 60
DB 2080244 GTTAGGTTTTTGGGGGTTGTTTAAACCCCAAAATGAGGGAAGAGGTATAATTGAACT 60

QY 61 CTATGAGCACAGGTTTAAACA 80
DB 2080185 CTATGAGCACAGGTTTAAACA 2080166

RESULT 11
US-09-810-521-5
; Sequence 5, Application US/09810521
; Patent No. US20020055153A1
; GENERAL INFORMATION:
; APPLICANT: KREUTZER, CAROLINE
; APPLICANT: MOCKEL, BETTINA
; APPLICANT: PFEFFERLE, WALTER
; APPLICANT: EGGELING, LOTHAR
; APPLICANT: SAHM, HERMANN
; APPLICANT: PATEK, MIROSLAV
; TITLE OF INVENTION: L-LYSINE PRODUCING CORYNEBACTERIA AND
; FILE REFERENCE: 21123/278416/WAS
; CURRENT APPLICATION NUMBER: US/09/810,521
; CURRENT FILING DATE: 2001-03-19
; PRIOR FILING DATE: 1999-05-07
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 79
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: dapA promoter of C. glutamicum with the
; OTHER INFORMATION: MC20 mutation
; NAME/KEY: mutation
; LOCATION: (45)
US-09-810-521-5

Query Match          77.0%; Score 61.6; DB 9; Length 79;
Best Local Similarity 93.8%; Pred. No. 4.9e-12;
Matches 75; Conservative 0; Mismatches 4; Indels 1; Gaps 1;

QY 1 GTTAGGTTTTTGGGGGTTGTTTAAACCCCAAAATGAGGGAAGAGGTATAATTGAACT 60
DB 1 GTTAGGTTTTTGGGGGTTGTTTAAACCCCAAAATGAGGGAAGAGGTATAATTGAACT 59

QY 61 CTATGAGCACAGGTTTAAACA 80
```

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DB 60 CTATGAGCACAGGTTTAAACA 79

RESULT 12
US-09-801-321A-5
; Sequence 5, Application US/09801321A
; Publication No. US20020086371A1
; GENERAL INFORMATION:
; APPLICANT: KREUTZER, CAROLINE
; APPLICANT: HANS, STEPHAN
; APPLICANT: RIEPING, MECHTHILD
; APPLICANT: MOCKEL, BETTINA
; APPLICANT: PFEFFERLE, WALTER
; APPLICANT: EGGELING, LOTHAR
; APPLICANT: SAHM, HERMANN
; APPLICANT: PATEK, MIROSLAV
; TITLE OF INVENTION: L-LYSINE-PRODUCING CORYNEBACTERIUM AND PROCESS FOR THE PREPARATION
; FILE REFERENCE: 21123/278409
; CURRENT APPLICATION NUMBER: US/09/801,321A
; CURRENT FILING DATE: 2001-03-08
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5
; LENGTH: 79
; TYPE: DNA
; ORGANISM: Artificial Sequence
; NAME/KEY: misc feature
; LOCATION: (1)..(79)
; OTHER INFORMATION: dapA promoter of C. glutamicum carrying the MC20 mutation
; NAME/KEY: mutation
; LOCATION: (45)
US-09-801-321A-5

Query Match          77.0%; Score 61.6; DB 13; Length 79;
Best Local Similarity 93.8%; Pred. No. 4.9e-12;
Matches 75; Conservative 0; Mismatches 4; Indels 1; Gaps 1;

QY 1 GTTAGGTTTTTGGGGGTTGTTTAAACCCCAAAATGAGGGAAGAGGTATAATTGAACT 60
DB 1 GTTAGGTTTTTGGGGGTTGTTTAAACCCCAAAATGAGGGAAGAGGTATAATTGAACT 59

QY 61 CTATGAGCACAGGTTTAAACA 80
DB 60 CTATGAGCACAGGTTTAAACA 79

RESULT 13
US-10-337-985-5
; Sequence 5, Application US/10337985
; Publication No. US20030162269A1
; GENERAL INFORMATION:
; APPLICANT: KREUTZER, CAROLINE
; APPLICANT: HANS, STEPHAN
; APPLICANT: RIEPING, MECHTHILD
; APPLICANT: MOCKEL, BETTINA
; APPLICANT: PFEFFERLE, WALTER
; APPLICANT: EGGELING, LOTHAR
; APPLICANT: SAHM, HERMANN
; APPLICANT: PATEK, MIROSLAV
; TITLE OF INVENTION: L-LYSINE-PRODUCING CORYNEBACTERIUM AND PROCESS FOR THE PREPARATION
; FILE REFERENCE: 21123/278409
; CURRENT APPLICATION NUMBER: US/10/337,985
; CURRENT FILING DATE: 2003-01-08
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5
; LENGTH: 79
; TYPE: DNA
; ORGANISM: Artificial
```

```
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(79)
; OTHER INFORMATION: dapA promoter of C. glutamicum carrying the MC20 mutation
; FEATURE:
; NAME/KEY: mutation
; LOCATION: (45)
; US-10-337-985-5

Query Match          77.0%; Score 61.6; DB 15; Length 79;
Best Local Similarity 93.8%; Pred. No. 4.9e-12;
Matches 75; Conservative 0; Mismatches 4; Indels 1; Gaps 1;

Qy 1 GTTAGGTTTTTGGGGGGTGTTTAAACCCCAAAATGAGGGAAGGTATTAATTGAAC 60
Db 1 GTTAGGTTTTTGGGGGGTGTTTAAACCCCAAAATGAGGGAAGGTATTAATTGAAC 60

Qy 61 CTATGAGCACAGGTTTAAACA 80
Db 60 CTATGAGCACAGGTTTAAACA 79

RESULT 14
US-09-810-521-18/c
; Sequence 18, Application US/09810521
; Patent No. US20020055153A1
; GENERAL INFORMATION:
; APPLICANT: KREUTZER, CAROLINE
; APPLICANT: MOCKEL, BETTINA
; APPLICANT: PFEFFERLE, WALTER
; APPLICANT: EGGELE, LOTHAR
; APPLICANT: SAHM, HERMANN
; APPLICANT: PATEK, MIROSLAV
; TITLE OF INVENTION: L-LYSINE PRODUCING CORYNEBACTERIA AND
; FILE REFERENCE: 21123/278416/MAS
; CURRENT APPLICATION NUMBER: US/09/810,521
; CURRENT FILING DATE: 2001-03-19
; PRIOR FILING DATE: 1999-05-07
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: Patentin ver. 2.1
; SEQ ID NO 18
; LENGTH: 40
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Artificial
; OTHER INFORMATION: Primer
; US-09-810-521-18

Query Match          48.0%; Score 38.4; DB 9; Length 40;
Best Local Similarity 97.5%; Pred. No. 0.00069;
Matches 39; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 31 CAAATGAGGGAAGGTATTAATTGAACCTCTATGAGCAC 70
Db 40 CCAATGAGGGAAGGTATTAATTGAACCTCTATGAGCAC 1

RESULT 15
US-09-810-321A-16/c
; Sequence 16, Application US/09801321A
; Publication No. US20020086371A1
; GENERAL INFORMATION:
; APPLICANT: Kreutzer, Caroline
; APPLICANT: Hans, Stephan
; APPLICANT: Rieping, Mechthild
; APPLICANT: Mockel, Bettina
; APPLICANT: Pfefferle, Walter
; APPLICANT: Eggeling, Lothar
; APPLICANT: Sahm, Hermann
; APPLICANT: Patek, Miroslav

; TITLE OF INVENTION: L-Lysine-Producing Corynebacterium and Process for the Preparation
; TITLE OF INVENTION: of L-Lysine
; FILE REFERENCE: 21123/278409
; CURRENT APPLICATION NUMBER: US/09/801,321A
; CURRENT FILING DATE: 2001-03-08
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 16
; LENGTH: 40
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(40)
; OTHER INFORMATION: PCR primer
; US-09-801-321A-16

Query Match          48.0%; Score 38.4; DB 13; Length 40;
Best Local Similarity 97.5%; Pred. No. 0.00069;
Matches 39; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 31 CAAATGAGGGAAGGTATTAATTGAACCTCTATGAGCAC 70
Db 40 CCAATGAGGGAAGGTATTAATTGAACCTCTATGAGCAC 1

Search completed: August 8, 2004, 03:29:44
Job time : 277.189 secs
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;; CURRENT APPLICATION NUMBER: US/09/353,133
;; CURRENT FILING DATE: 1999-07-14
;; NUMBER OF SEQ ID NOS: 6
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO 4
;; LENGTH: 79
;; TYPE: DNA
;; ORGANISM: Corynebacterium glutamicum
;; FEATURE:
;; OTHER INFORMATION: dapa wild-type promoter
US-09-353-133-4

Query Match 79.0%; Score 63.2; DB 3; Length 79;
Best Local Similarity 95.0%; Pred. No. 1.5e-14;
Matches 76; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY 1 GTTAGGTTTTTGGGGGTTGTTTAAACCCCAAAATGAGGGAAGGTATAATTGAAC 60
DB 1 GTTAGGTTTTTGGGGGTTGTTTAAACCCCAAAATGAGGGAAGGTAACTTGAAC 59
|||
QY 61 CTATGAGCACAGGTTTAAACA 80
DB 60 CTATGAGCACAGGTTTAAACA 79
|||

RESULT 3
US-08-674-168-18
; Sequence 18, Application US/08674168
; Patent No. 5804414
; GENERAL INFORMATION:
; APPLICANT: MORIYA, Mika
; APPLICANT: MATSUI, Hiroshi
; APPLICANT: YOKOZAKI, Kenzo
; APPLICANT: HIRANO, Seiko
; APPLICANT: HAYAKAWA, Atsushi
; APPLICANT: IZUI, Masako
; APPLICANT: SUGIMOTO, Masakazu
; TITLE OF INVENTION: METHOD OF AMPLIFYING GENE USING
; TITLE OF INVENTION: ARTIFICIAL TRANSPOSON
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; ADDRESSEE: P.C.
; STREET: 1755 JEFFERSON DAVIS HIGHWAY, SUITE # 400
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/674,168
; FILING DATE: 01-JUL-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 7-166541
; FILING DATE: 30-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 10-810-0
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 413-3000
; TELEFAX: (703) 413-2220
; TELEX: 248855 OPAT UR
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1411 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double

;; TOPOLOGY: linear
;; MOLECULE TYPE: DNA (genomic)
;; ANTI-SENSE: NO
;; ORIGINAL SOURCE:
;; ORGANISM: Brevibacterium lactofermentum
;; STRAIN: ATCC 13869
;; FEATURE:
;; NAME/KEY: CDS
;; LOCATION: 311..1213
US-08-674-168-18

Query Match 79.0%; Score 63.2; DB 1; Length 1411;
Best Local Similarity 95.0%; Pred. No. 3.8e-14;
Matches 76; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY 1 GTTAGGTTTTTGGGGGTTGTTTAAACCCCAAAATGAGGGAAGGTATAATTGAAC 60
DB 250 GTTAGGTTTTTGGGGGTTGTTTAAACCCCAAAATGAGGGAAGGTAACTTGAAC 308
|||
QY 61 CTATGAGCACAGGTTTAAACA 80
DB 309 CTATGAGCACAGGTTTAAACA 328
|||

RESULT 4
US-08-985-908-14
; Sequence 14, Application US/08985908
; Patent No. 6004773
; GENERAL INFORMATION:
; APPLICANT: MASAYUKI ARAKI, MASAKAZU SUGIMOTO, YASUHIKO YOSHIHARA, AND TSUYOSHI NA
; TITLE OF INVENTION: METHOD FOR PRODUCING L-LYSINE
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C.
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, FOURTH FLOOR
; CITY: ARLINGTON
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/985,908
; FILING DATE: 05-DEC-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 8-325659
; FILING DATE: 05-DEC-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: NORMAN F. OBLON
; REGISTRATION NUMBER: 24,618
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1411 bases
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: genomic DNA
; ORIGINAL SOURCE:
; ORGANISM: Brevibacterium lactofermentum
; STRAIN: ATCC 13869
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 311..1213
US-08-985-908-14

Query Match 79.0%; Score 63.2; DB 3; Length 1411;
Best Local Similarity 95.0%; Pred. No. 3.8e-14;

```
Matches 76; Conservative 0; Mismatches 3; Indels 1; Gaps 1;
QY 1 GTTAGGTTTTTGGGGGTTGTTTAAACCCCAAAATGAGGGAAGGTTATTAATGAACT 60
Db 250 GTTAGGTTTTTGGGGGTTGTTTAAACCCCAAAATGAGGGAAGGTTATTAATGAACT 308
QY 61 CTATGAGCACAGGTTTAAACA 80
Db 309 CTATGAGCACAGGTTTAAACA 328

RESULT 5
US-08-852-730-19
; Sequence 19, Application US/08852730
; Patent No. 6090597
; GENERAL INFORMATION:
; APPLICANT: SEIKO HIRANO, MASAKAZU SUGIMOTO, EIICHI NAKANO,
; APPLICANT: MASAKO IZUI, ATSUSHI HAYAKAWA, YASUHIKO YOSHIIHARA, AND TSUYOSHI
; APPLICANT: NAKAMATSU
; TITLE OF INVENTION: METHOD OF PRODUCING L-LYSINE
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER AND NEUSTADT, P.C.
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
; CITY: ARLINGTON
; STATE: VA
; ZIP: 22026
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/852,730
; FILING DATE: 05-07-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 8-142812
; FILING DATE: 05-JUN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: NORMAN F. OBLON
; REGISTRATION NUMBER: 24,618
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1411 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: Genomic DNA
; ORIGINAL SOURCE:
; ORGANISM: Brevibacterium lactofermentum
; STRAIN: ATCC 13869
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 311..1213
US-08-852-730-19

Query Match 79.0%; Score 63.2; DB 3; Length 1411;
Best Local Similarity 95.0%; Pred. No. 3.8e-14;
Matches 76; Conservative 0; Mismatches 3; Indels 1; Gaps 1;
QY 1 GTTAGGTTTTTGGGGGTTGTTTAAACCCCAAAATGAGGGAAGGTTATTAATGAACT 60
Db 250 GTTAGGTTTTTGGGGGTTGTTTAAACCCCAAAATGAGGGAAGGTTATTAATGAACT 308
QY 61 CTATGAGCACAGGTTTAAACA 80
Db 309 CTATGAGCACAGGTTTAAACA 328
```

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RESULT 6
US-09-353-133-5
; Sequence 5, Application US/09353133
; Patent No. 6200785
; GENERAL INFORMATION:
; APPLICANT: Degussa-Hols AG
; APPLICANT: Forschungszentrum Jolich GmbH
; TITLE OF INVENTION: L-Lysine-producing corynebacteria and process for the
; TITLE OF INVENTION: Preparation of L-lysine
; FILE REFERENCE: 990058 BT
; CURRENT APPLICATION NUMBER: US/09/353,133
; CURRENT FILING DATE: 1999-07-14
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 79
; TYPE: DNA
; ORGANISM: Synthetic sequence
; FEATURE:
; OTHER INFORMATION: Description of the synthetic sequence:
; OTHER INFORMATION: dapA promoter of C. glutamicum with the
; OTHER INFORMATION: Mc20-Mutation
; FEATURE:
; NAME/KEY: mutation
; LOCATION: (45)
US-09-353-133-5

Query Match 77.0%; Score 61.6; DB 3; Length 79;
Best Local Similarity 93.8%; Pred. No. 5.7e-14;
Matches 75; Conservative 0; Mismatches 4; Indels 1; Gaps 1;
QY 1 GTTAGGTTTTTGGGGGTTGTTTAAACCCCAAAATGAGGGAAGGTTATTAATGAACT 60
Db 1 GTTAGGTTTTTGGGGGTTGTTTAAACCCCAAAATGAGGGAAGGTTATTAATGAACT 59
QY 61 CTATGAGCACAGGTTTAAACA 80
Db 60 CTATGAGCACAGGTTTAAACA 79

RESULT 7
US-09-022-983-1
; Sequence 1, Application US/09022983
; Patent No. 6159731
; GENERAL INFORMATION:
; APPLICANT: Yang, Xiaolu
; APPLICANT: Khosravi-Far, Roya
; APPLICANT: Chang, Howard Y.
; APPLICANT: Baltimore, David
; TITLE OF INVENTION: DAXX, A NOVEL FAS-BINDING
; TITLE OF INVENTION: PROTEIN THAT ACTIVATES JNK AND APOPTOSIS
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/022,983
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/037,919
; FILING DATE: 12-FEB-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/051,753
```

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; FILING DATE: 26-JUN-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Van Amsterdam, John R.
; REGISTRATION NUMBER: 40,212
; REFERENCE/DOCKET NUMBER: M0656/7036
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-720-3500
; TELEFAX: 617-720-2441
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2358 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHEetical: NO
; ANTI-SENSE: NO
; FEATURE:
; NAME/KEY: Coding Sequence
; LOCATION: 25...2241
; US-09-022-983-1

Query Match      32.8%; Score 26.2; DB 3; Length 2358;
Best Local Similarity 63.5%; Pred. No. 2.5;
Matches 40; Conservative 0; Mismatches 23; Indels 0; Gaps 0;

QY 8 TTTTTCGGGGGTTCTTTAAACCCCAAAATGAGGGAAGGTATATTGAACCTCTATGAG 67
DB 1 TTTCTGAGGGGAATTGAAACCCCAATGCGCCACCGATGACAGCATCATTTGACTTGATGAT 60

QY 68 CAC 70
DB 61 GAC 63

RESULT 8
US-09-490-692-10
; Sequence 10, Application US/09490692
; Patent No. 6180353
; GENERAL INFORMATION:
; APPLICANT: Nicholas M. Dean
; APPLICANT: Lex M. Consort
; TITLE OF INVENTION: ANTISENSE MODULATION OF DAXX EXPRESSION
; FILE REFERENCE: RTS-0120
; CURRENT APPLICATION NUMBER: US/09/490,692
; CURRENT FILING DATE: 2000-01-24
; NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 10
; LENGTH: 2360
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (25)...(2244)
; US-09-490-692-10

Query Match      32.8%; Score 26.2; DB 3; Length 2360;
Best Local Similarity 63.5%; Pred. No. 2.5;
Matches 40; Conservative 0; Mismatches 23; Indels 0; Gaps 0;

QY 8 TTTTTCGGGGGTTCTTTAAACCCCAAAATGAGGGAAGGTATATTGAACCTCTATGAG 67
DB 1 TTTCTGAGGGGAATTGAAACCCCAATGCGCCACCGATGACAGCATCATTTGACTTGATGAT 60

QY 68 CAC 70
DB 61 GAC 63

RESULT 9
US-09-397-787-237/c
; Sequence 237, Application US/09397787
; Patent No. 6468758

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; GENERAL INFORMATION:
; APPLICANT: Benson, Michael R.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: King, Gordon E.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR OVARIAN
; THERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.466C2
; CURRENT APPLICATION NUMBER: US/09/397,787
; CURRENT FILING DATE: 1999-09-16
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 237
; LENGTH: 452
; TYPE: DNA
; ORGANISM: Homo sapien
; US-09-397-787-237

Query Match      32.0%; Score 25.6; DB 4; Length 452;
Best Local Similarity 59.7%; Pred. No. 2.4;
Matches 43; Conservative 0; Mismatches 29; Indels 0; Gaps 0;

QY 4 AGGTTTTCGGGGGTTCTTTAAACCCCAAAATGAGGGAAGGTATATTGAACCTCTA 63
DB 335 AGATTCTTTCCAAAGCTTTTCTCAGTCCCAATAATTAGGACTGAGTGGAGCCCTT 276

QY 64 TGAGCACAGGTT 75
DB 275 TGAAACAAGAT 264

RESULT 10
US-09-628-966-1/c
; Sequence 1, Application US/09628966
; Patent No. 6596527
; GENERAL INFORMATION:
; APPLICANT: YEH, EDWARD T.H.
; APPLICANT: GONG, LIMIN
; TITLE OF INVENTION: COMPOSITION AND METHODS RELATING TO SENP1 - A
; TITLE OF INVENTION: SENTRIN-SPECIFIC PROTEASE
; FILE REFERENCE: UTSH:245US1
; CURRENT APPLICATION NUMBER: US/09/628,966
; CURRENT FILING DATE: 2000-07-31
; PRIOR APPLICATION NUMBER: 60/146,774
; PRIOR FILING DATE: 1999-07-31
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 2512
; TYPE: DNA
; ORGANISM: Human
; US-09-628-966-1

Query Match      32.0%; Score 25.6; DB 4; Length 2512;
Best Local Similarity 59.7%; Pred. No. 4.2;
Matches 43; Conservative 0; Mismatches 29; Indels 0; Gaps 0;

QY 4 AGGTTTTCGGGGGTTCTTTAAACCCCAAAATGAGGGAAGGTATATTGAACCTCTA 63
DB 2432 AGATTCTTTCCAAAGCTTTTCTCAGTCCCAATAATTAGGACTGAGTGGAGCCCTT 2373

QY 64 TGAGCACAGGTT 75
DB 2372 TGAAACAAGAT 2361

RESULT 11
US-09-539-333D-215/c
; Sequence 215, Application US/09539333D
; Patent No. 6476208
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta

```

APPLICANT: Chumakov, Ilya
APPLICANT: Bougueleret, Lydie
APPLICANT: Bihain, Bernard
APPLICANT: Essioux, Laurent
TITLE OF INVENTION: SCHIZOPHRENIA ASSOCIATED GENES, PROTEINS AND BIALLELIC MARKERS
FILE REFERENCE: GENSET 047AUS
CURRENT APPLICATION NUMBER: US/09/539,333D
CURRENT FILING DATE: 2000-03-30
PRIOR APPLICATION NUMBER: US 60/126,903
PRIOR FILING DATE: 1999-03-30
PRIOR APPLICATION NUMBER: US 60/131,971
PRIOR FILING DATE: 1999-04-30
PRIOR APPLICATION NUMBER: US 60/132,065
PRIOR FILING DATE: 1999-04-30
PRIOR APPLICATION NUMBER: US 60/143,928
PRIOR FILING DATE: 1999-07-14
PRIOR APPLICATION NUMBER: US 60/145,915
PRIOR FILING DATE: 1999-07-27
PRIOR APPLICATION NUMBER: US 60/146,453
PRIOR FILING DATE: 1999-07-29
PRIOR APPLICATION NUMBER: US 60/146,452
PRIOR FILING DATE: 1999-07-29
PRIOR APPLICATION NUMBER: US 60/162,288
PRIOR FILING DATE: 1999-10-28
PRIOR APPLICATION NUMBER: US 09/416,384
PRIOR FILING DATE: 1999-10-12
NUMBER OF SEQ ID NOS: 231
SOFTWARE: Patent.pm
SEQ ID NO 215
LENGTH: 3001
TYPE: DNA
ORGANISM: Homo Sapiens
FEATURE:
NAME/KEY: allele
LOCATION: 1501
OTHER INFORMATION: 99-26789-201 : polymorphic base C or T
FEATURE:
NAME/KEY: misc binding
LOCATION: 1482..1500
OTHER INFORMATION: 99-26789-201.misl
FEATURE:
NAME/KEY: misc binding
LOCATION: 1502..1521
OTHER INFORMATION: 99-26789-201.mis2, complement
FEATURE:
NAME/KEY: primer_bind
LOCATION: 1301..1319
OTHER INFORMATION: upstream amplification primer
FEATURE:
NAME/KEY: primer_bind
LOCATION: 1771..1791
OTHER INFORMATION: downstream amplification primer, complement
FEATURE:
NAME/KEY: misc binding
LOCATION: 1489..1513
OTHER INFORMATION: 99-26789-201 probe
US-09-539-333D-215

Query Match 31.5%; Score 25.2; DB 4; Length 3001;
Best Local Similarity 71.7%; Pred. No. 6.3;
Matches 33; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

Qy 35 ATGAGGAAGAGGTATAATGTAACTCTATGACGACAGGTTTAAACA 80
Db 288 ATGAGGAAGAGGTTTAAATGTACTTACAGTCCACAGGCTTAAACA 243

RESULT 12
US-08-714-918-48/c
; Sequence 48, Application US/08714918
; Patent No. 6037123
; GENERAL INFORMATION:
; APPLICANT: Benton, Bret

APPLICANT: Lee, Ving
APPLICANT: Malouin, Francois
APPLICANT: Martin, Patrick K.
APPLICANT: Schmid, Molly B.
APPLICANT: Sun, Dongxu
TITLE OF INVENTION: STAPHYLOCOCCUS AUREUS ANTIBACTERIAL
TITLE OF INVENTION: TARGET GENES
NUMBER OF SEQUENCES: 111
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/714,918
FILING DATE: September 13, 1996
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/009,102
FILING DATE: December 22, 1995
APPLICATION NUMBER: 60/003,798
FILING DATE: September 15, 1995
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 222/005
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 48:
SEQUENCE CHARACTERISTICS:
LENGTH: 5718 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-714-918-48

Query Match 31.5%; Score 25.2; DB 3; Length 5718;
Best Local Similarity 62.9%; Pred. No. 7.8;
Matches 39; Conservative 0; Mismatches 23; Indels 0; Gaps 0;

Qy 5 GCTTTTTCGGGGTGTGTTTAAACCCCAAAATGAGGGAAGAGGTATATTAAGACTCTAT 64
Db 1601 GCTTTTTCGGGGTGTGTTTAAACCCCAAAATGAGGGAAGAGGTATATTAAGACTCTAT 1542
Qy 65 GA 66
Db 1541 GA 1540

RESULT 13
US-09-265-315-48/c
; Sequence 48, Application US/09265315
; Patent No. 6187541
; GENERAL INFORMATION:
; APPLICANT: Benton, Bret
; APPLICANT: Lee, Ving J.
; APPLICANT: Malouin, Francois
; APPLICANT: Martin, Patrick K.
; APPLICANT: Schmid, Molly B.
; APPLICANT: Sun, Dongxu
; TITLE OF INVENTION: METHODS OF SCREENING FOR COMPOUNDS
; TITLE OF INVENTION: ACTIVE ON STAPHYLOCOCCUS AUREUS

TITLE OF INVENTION: TARGET GENES
NUMBER OF SEQUENCES: 111
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Suite 4700
STATE: Los Angeles
COUNTRY: California
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/265,315
FILING DATE: March 9, 1999
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/714,918
FILING DATE: September 13, 1996
APPLICATION NUMBER: 60/009,102
FILING DATE: December 22, 1995
APPLICATION NUMBER: 60/003,798
FILING DATE: September 15, 1995
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 240/247
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 48:
SEQUENCE CHARACTERISTICS:
LENGTH: 5718 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-265-315-48

Query Match 31.5%; Score 25.2; DB 3; Length 5718;
Best Local Similarity 62.9%; Pred. No. 7.8;
Matches 39; Conservative 0; Mismatches 23; Indels 0; Gaps 0;
QY 5 GGTGTTTGGGGGTTGTTTAAACCCCAAAATGAGGGAAGAGGTATATTAATGAACTCTAT 64
DB 1601 GGTGTTTATTGATATTTTAAACCCCAAAACAGATGATGAGATATAAGAGAAATTCCT 1542
QY 65 GA 66
DB 1541 GA 1540

RESULT 14
US-09-265-315-48/c
Sequence 48, Application US/09265315
Patent No. 6187541
GENERAL INFORMATION:
APPLICANT: Benton, Bret
APPLICANT: Lee, Ving J.
APPLICANT: Malouin, Francois
APPLICANT: Martin, Patrick K.
APPLICANT: Schmid, Molly B.
APPLICANT: Sun, Dongxu
TITLE OF INVENTION: METHODS OF SCREENING FOR COMPOUNDS
TITLE OF INVENTION: ACTIVE ON STAPHYLOCOCCUS AUREUS
TITLE OF INVENTION: TARGET GENES
NUMBER OF SEQUENCES: 111
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon

STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/265,315
FILING DATE: March 9, 1999
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/714,918
FILING DATE: September 13, 1996
APPLICATION NUMBER: 60/009,102
FILING DATE: December 22, 1995
APPLICATION NUMBER: 60/003,798
FILING DATE: September 15, 1995
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 240/247
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 48:
SEQUENCE CHARACTERISTICS:
LENGTH: 5718 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-265-315-48

Query Match 31.5%; Score 25.2; DB 3; Length 5718;
Best Local Similarity 62.9%; Pred. No. 7.8;
Matches 39; Conservative 0; Mismatches 23; Indels 0; Gaps 0;
QY 5 GGTGTTTGGGGGTTGTTTAAACCCCAAAATGAGGGAAGAGGTATATTAATGAACTCTAT 64
DB 1601 GGTGTTTATTGATATTTTAAACCCCAAAACAGATGATGAGATATAAGAGAAATTCCT 1542
QY 65 GA 66
DB 1541 GA 1540

RESULT 15
US-09-266-417-48/c
Sequence 48, Application US/09266417
Patent No. 6228588
GENERAL INFORMATION:
APPLICANT: Benton, Bret
APPLICANT: Lee, Ving J.
APPLICANT: Malouin, Francois
APPLICANT: Martin, Patrick K.
APPLICANT: Schmid, Molly B.
APPLICANT: Sun, Dongxu
TITLE OF INVENTION: METHODS OF SCREENING FOR COMPOUNDS
TITLE OF INVENTION: ACTIVE ON STAPHYLOCOCCUS AUREUS
TITLE OF INVENTION: TARGET GENES
NUMBER OF SEQUENCES: 111
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Suite 4700
CITY: Los Angeles
STATE: California

Tue Aug 10 12:37:16 2004

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COUNTY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 MB
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/03/266,417
Filing DATE: March 9, 1999
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/714,918
Filing DATE: September 13, 1996
APPLICATION NUMBER: 60/009,102
Filing DATE: December 22, 1995
APPLICATION NUMBER: 60/003,798
Filing DATE: September 15, 1995
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 240/248
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 48:
SEQUENCE CHARACTERISTICS:
LENGTH: 5718 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-266-417-48

Query Match 31.5%; Score 25.2; DB 3; Length 5718;
Best Local Similarity 62.9%; Pred.No. 7.8;
Matches 39; Conservative 0; Mismatches 23; Indels 0; Gaps 0;

QY 5 GCTTTTTCGGGGTGTGTTTAAACCCCAAAATGAGGGAAGAGGTATAATTGAACCTCTAT 64
DB 1601 GGTTTTATTTTATGATATTTTAAAGCCCAAAACACAGATGTATGAACATTAAGAAGATTCCTT 1542

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Search completed: August 8, 2004, 01:30:39
Job time : 47.2767 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 7, 2004, 21:30:14 ; Search time 43.7233 Seconds
(without alignments)
1002.695 Million cell updates/sec

Title: US-09-810-521-5
Perfect score: 79
Sequence: 1 gtaggtttttgcggggtt.....ctatgagcacaggtttaaca 79

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA: *
1: /cgn2_6/ptodata/2/ina/5A COMB.seq.*
2: /cgn2_6/ptodata/2/ina/5B COMB.seq.*
3: /cgn2_6/ptodata/2/ina/6A COMB.seq.*
4: /cgn2_6/ptodata/2/ina/6B COMB.seq.*
5: /cgn2_6/ptodata/2/ina/PCTUS COMB.seq.*
6: /cgn2_6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	79	100.0	79	US-09-353-133-5	Sequence 5, Appli
2	77.4	98.0	79	US-09-353-133-4	Sequence 4, Appli
3	77.4	98.0	1411	US-08-674-168-18	Sequence 18, Appl
4	77.4	98.0	1411	US-08-985-908-14	Sequence 14, Appl
5	77.4	98.0	1411	US-08-852-730-19	Sequence 19, Appl
6	61.6	78.0	80	US-09-353-133-6	Sequence 6, Appli
7	25	31.6	1431	US-08-451-715A-11	Sequence 11, Appl
8	24.2	30.6	705	US-09-107-532A-1629	Sequence 1629, Ap
9	23.6	29.9	654	US-08-936-165A-234	Sequence 234, App
10	23.6	29.9	936	US-08-910-501-3	Sequence 3, Appli
11	23.6	29.9	936	US-09-398-550-3	Sequence 3, Appli
12	23.6	29.9	939	US-08-910-501-1	Sequence 1, Appli
13	23.6	29.9	939	US-09-398-550-1	Sequence 1, Appli
14	23.4	29.6	1095	US-09-543-681A-1831	Sequence 1831, Ap
15	23.4	29.6	2381	US-08-736-770-4	Sequence 4, Appli
16	23.4	29.6	10917	US-08-926-842B-11	Sequence 11, Appl
17	23.2	29.4	887	US-09-016-434-58	Sequence 58, Appl
18	23	29.1	635	US-09-078-294-15	Sequence 15, Appl
19	23	29.1	2514	US-09-489-039A-2214	Sequence 2214, Ap
20	23	29.1	246240	US-08-724-394A-20	Sequence 20, Appl
21	23	29.1	246240	US-08-724-394A-21	Sequence 21, Appl
22	23	29.1	246240	US-08-724-394A-22	Sequence 22, Appl
23	22.8	28.9	188	US-09-702-705-1741	Sequence 1741, Ap
24	22.8	28.9	188	US-09-736-457-1741	Sequence 1741, Ap
25	22.8	28.9	188	US-09-736-457-1741	Sequence 1741, Ap
26	22.8	28.9	307	US-09-671-325-1741	Sequence 496, App
27	22.8	28.9	307	US-09-736-457-496	Sequence 496, App

ALIGNMENTS

RESULT 1

US-09-353-133-5

; Sequence 5, Application US/09353133

; Patent No. 6200785

; GENERAL INFORMATION:

; APPLICANT: Degussa-Hols AG

; TITLE OF INVENTION: L-lysine-producing corynebacteria and process for the

; FILE REFERENCE: 990058 BT

; CURRENT APPLICATION NUMBER: US/09/353,133

; CURRENT FILING DATE: 1999-07-14

; NUMBER OF SEQ ID NOS: 6

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 5

; LENGTH: 79

; TYPE: DNA

; ORGANISM: Synthetic sequence

; FEATURE:

; OTHER INFORMATION: Description of the synthetic sequence:

; OTHER INFORMATION: dapa promoter of C. glutamicum with the

; FEATURE:

; NAME/KEY: mutation

; LOCATION: (45)

US-09-353-133-5

Query Match 100.0%; Score 79; DB 3; Length 79;

Best Local Similarity 100.0%; Pred. No. 2.8e-22;

Matches 79; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTAGGTTTTTGGGGGTTGTTTAAACCCCAATGAGGAAGATGGTAACCTTGAACTC 60

DB 1 GTTAGGTTTTTGGGGGTTGTTTAAACCCCAATGAGGAAGATGGTAACCTTGAACTC 60

QY 61 TATGAGCACAGGTTTAAACA 79

DB 61 TATGAGCACAGGTTTAAACA 79

RESULT 2

US-09-353-133-4

; Sequence 4, Application US/09353133

; Patent No. 6200785

; GENERAL INFORMATION:

; APPLICANT: Degussa-Hols AG

; TITLE OF INVENTION: L-lysine-producing corynebacteria and process for the

; FILE REFERENCE: 990058 BT

;; CURRENT APPLICATION NUMBER: US/09/353,133
;; CURRENT FILING DATE: 1999-07-14
;; NUMBER OF SEQ ID NOS: 6
;; SOFTWARE: Patent In Ver. 2.1
;; SEQ ID NO 4
;; LENGTH: 79
;; TYPE: DNA
;; ORGANISM: Corynebacterium glutamicum
;; FEATURE:
;; OTHER INFORMATION: gapA wild-type promoter
US-09-353-133-4

Query Match 98.0%; Score 77.4; DB 3; Length 79;
Best Local Similarity 98.7%; Pred. No. 1.2e-21;
Matches 78; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 GTTAGGTTTTTGGGGGTTGTTTAAACCCCAATGAGGGAAGATGCTACCTTGAACTC 60
DB 1 GTTAGGTTTTTGGGGGTTGTTTAAACCCCAATGAGGGAAGATGCTACCTTGAACTC 60
QY 61 TATGAGCACAGGTTTAAACA 79
DB 61 TATGAGCACAGGTTTAAACA 79

RESULT 3
US-08-674-168-18
; Sequence 18, Application US/08674168
; Patent No. 5804414
; GENERAL INFORMATION:
; APPLICANT: MORIYA, Mika
; APPLICANT: MATSUI, Hiroshi
; APPLICANT: YOKOZAKI, Kenzo
; APPLICANT: HIRANO, Seiko
; APPLICANT: HAYAKAWA, Atsushi
; APPLICANT: IZUI, Masako
; APPLICANT: SUGIMOTO, Masakazu
; TITLE OF INVENTION: METHOD OF AMPLIFYING GENE USING
; TITLE OF INVENTION: ARTIFICIAL TRANSPOSON
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; ADDRESS: P.C.
; STREET: 1755 JEFFERSON DAVIS HIGHWAY, SUITE # 400
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/674,168
; FILING DATE: 01-JUL-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 7-166541
; FILING DATE: 30-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 10-810-0
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 413-3000
; TELEFAX: (703) 413-2220
; TELEX: 248855 OPAU UR
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1411 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double

;; TOPOLOGY: linear
;; MOLECULE TYPE: DNA (genomic)
;; ANTI-SENSE: NO
;; ORIGINAL SOURCE:
;; ORGANISM: Brevibacterium lactofermentum
;; STRAIN: ATCC 13869
;; FEATURE:
;; NAME/KEY: CDS
;; LOCATION: 311..1213
US-08-674-168-18

Query Match 98.0%; Score 77.4; DB 1; Length 1411;
Best Local Similarity 98.7%; Pred. No. 3.9e-21;
Matches 78; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 GTTAGGTTTTTGGGGGTTGTTTAAACCCCAATGAGGGAAGATGCTACCTTGAACTC 60
DB 250 GTTAGGTTTTTGGGGGTTGTTTAAACCCCAATGAGGGAAGATGCTACCTTGAACTC 309
QY 61 TATGAGCACAGGTTTAAACA 79
DB 310 TATGAGCACAGGTTTAAACA 328

RESULT 4
US-08-985-908-14
; Sequence 14, Application US/08985908
; Patent No. 6004773
; GENERAL INFORMATION:
; APPLICANT: MASAYUKI ARAKI, MASAKAZU SUGIMOTO, YASUHIKO YOSHIHARA, AND TSUYOSHI NA
; TITLE OF INVENTION: METHOD FOR PRODUCING L-LYSINE
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C.
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, FOURTH FLOOR
; CITY: ARLINGTON
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/985,908
; FILING DATE: 05-DEC-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 8-325659
; FILING DATE: 05-DEC-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: NORMAN F. OBLON
; REGISTRATION NUMBER: 24,618
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1411 bases
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: genomic DNA
; ORIGINAL SOURCE:
; ORGANISM: Brevibacterium lactofermentum
; STRAIN: ATCC 13869
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 311..1213
US-08-985-908-14
Query Match 98.0%; Score 77.4; DB 3; Length 1411;
Best Local Similarity 98.7%; Pred. No. 3.9e-21;

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Matches 78; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1 GTTAGGTTTTTGGGGGTTGTTTAAACCCCAATGAGGAAGATGTTAACTTGAATC 60
Db 250 GTTAGGTTTTTGGGGGTTGTTTAAACCCCAATGAGGAAGATGTTAACTTGAATC 309
Qy 61 TATGAGCACAGGTTTAAACA 79
Db 310 TATGAGCACAGGTTTAAACA 328

RESULT 5
US-08-852-730-19
; Sequence 19, Application US/08852730
; Patent No. 6090597
; GENERAL INFORMATION:
; APPLICANT: SEIKO HIRANO, MASAKAZU SUGIMOTO, EIICHI NAKANO,
; APPLICANT: MASAKO IZUI, ATSUSHI HAYAKAWA, YASUHIKO YOSHIHARA, AND TSUYOSHI
; APPLICANT: NAKAMATSU
; TITLE OF INVENTION: METHOD OF PRODUCING L-LYSINE
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MAIER AND NEUSTADT, P.C.
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
; CITY: ARLINGTON
; STATE: VA
; ZIP: 22026
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/852,730
; FILING DATE: 05-07-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 8-142812
; FILING DATE: 05-JUN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: NORMAN F. OBLON
; REGISTRATION NUMBER: 24,618
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1411 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: Genomic DNA
; ORIGINAL SOURCE:
; ORGANISM: Brevibacterium lactofermentum
; STRAIN: ATCC 13869
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 311..1213
US-08-852-730-19

Query Match 98.0%; Score 77.4; DB 3; Length 1411;
Best Local Similarity 98.7%; Pred. No. 3.9e-21;
Matches 78; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1 GTTAGGTTTTTGGGGGTTGTTTAAACCCCAATGAGGAAGATGTTAACTTGAATC 60
Db 250 GTTAGGTTTTTGGGGGTTGTTTAAACCCCAATGAGGAAGATGTTAACTTGAATC 309
Qy 61 TATGAGCACAGGTTTAAACA 79
Db 310 TATGAGCACAGGTTTAAACA 328
```

```
RESULT 6
US-09-353-133-6
; Sequence 6, Application US/09353133
; Patent No. 6200785
; GENERAL INFORMATION:
; APPLICANT: Degussa-Hols AG
; APPLICANT: Forschungszentrum Jolich GmbH
; TITLE OF INVENTION: L-Lysine-producing corynebacteria and process for the
; TITLE OF INVENTION: preparation of L-lysine
; FILE REFERENCE: 990058 BT
; CURRENT APPLICATION NUMBER: US/09/353,133
; CURRENT FILING DATE: 1999-07-14
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 6
; LENGTH: 80
; TYPE: DNA
; ORGANISM: Synthetic sequence
; FEATURE:
; OTHER INFORMATION: Description of the synthetic sequence:
; OTHER INFORMATION: dpa promoter of C. glutamicum with the
; OTHER INFORMATION: MAL6-Mutation
; FEATURE:
; NAME/KEY: mutation
; LOCATION: (35)..(53)
US-09-353-133-6

Query Match 78.0%; Score 61.6; DB 3; Length 80;
Best Local Similarity 93.8%; Pred. No. 2.3e-15;
Matches 75; Conservative 0; Mismatches 4; Indels 1; Gaps 1;
Qy 1 GTTAGGTTTTTGGGGGTTGTTTAAACCCCC-AAATGAGGAAGATGTTAACTTGAATC 59
Db 1 GTTAGGTTTTTGGGGGTTGTTTAAACCCCAATGAGGAAGATGTTAACTTGAATC 60
Qy 60 CTATGAGCACAGGTTTAAACA 79
Db 61 CTATGAGCACAGGTTTAAACA 80

RESULT 7
US-08-451-715A-11/c
; Sequence 11, Application US/08451715A
; Patent No. 5801013
; GENERAL INFORMATION:
; APPLICANT: Tao, Jianshi
; APPLICANT: Qui, Yan
; APPLICANT: Houman, Fariba
; APPLICANT: Shen, Xiaoyu
; APPLICANT: Schimmel, Paul R.
; TITLE OF INVENTION: Helicobacter Aminoacyl-tRNA Synthetase
; TITLE OF INVENTION: Proteins, Nucleic Acids and Strains Comprising Same
; NUMBER OF SEQUENCES: 67
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/451,715A
; FILING DATE: 26-MAY-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Brook, David E.
; REGISTRATION NUMBER: 22,592
; REFERENCE/DOCKET NUMBER: CPI94-25
```

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; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-861-6240
; TELEFAX: 617-861-9540
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1431 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 80..1324
;
US-08-451-715A-11
Query Match 31.6%; Score 25; DB 1; Length 1431;
Best Local Similarity 69.4%; Pred. No. 2.6;
Matches 34; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 15 GGGTTGTTTAAACCCCAATGAGGGAAGATGGTAACTTGAACCTCTAT 63
DB 419 GGGTTTTCACCTAGATTAGGATTATGGAAGCTTCAATCAAT 371

RESULT 8
US-09-107-532A-1629
; Sequence 1629, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Arinello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 1629:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 705 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...705
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; SEQUENCE DESCRIPTION: SEQ ID NO: 1629:
US-09-107-532A-1629
Query Match 30.6%; Score 24.2; DB 4; Length 705;
Best Local Similarity 62.3%; Pred. No. 4.1;
Matches 38; Conservative 0; Mismatches 23; Indels 0; Gaps 0;

QY 17 GGTGTTTAAACCCCAATGAGGGAAGATGGTAACTTGAACCTCTATGAGCACAGGTTTA 76
DB 419 GCGTGTATATCAAGAAATGCGGAAGCTTGAACCTAGAAAACATGAGCATGGGTAA 478
QY 77 A 77
DB 479 A 479

RESULT 9
US-08-936-165A-234/C
; Sequence 234, Application US/08936165A
; Patent No. 6348582
; GENERAL INFORMATION:
; APPLICANT: Black, Michael
; APPLICANT: Burnham, Martin
; APPLICANT: Hodgson, John
; APPLICANT: Knowles, David
; APPLICANT: Lonetto, Michael
; APPLICANT: Nicholas, Richard
; APPLICANT: Pratt, Julie
; APPLICANT: Reichard, Richard
; APPLICANT: Rosenberg, Martin
; APPLICANT: Ward, Judith
; TITLE OF INVENTION: No. 6348582el Prokaryotic Polynucleotides,
; NUMBER OF SEQUENCES: 534
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: USA
; ZIP: 19406-0939
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/936,165A
; FILING DATE: 24-SEP-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/027,032
; FILING DATE: 24-SEP-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Gimmil, Edward R
; REGISTRATION NUMBER: 38,891
; REFERENCE/DOCKET NUMBER: P50549
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-4478
; TELEFAX: 610-270-5090
; TELEX:
; INFORMATION FOR SEQ ID NO: 234:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 654 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Genomic DNA
; US-08-936-165A-234

Query Match 29.9%; Score 23.6; DB 4; Length 654;
Best Local Similarity 64.8%; Pred. No. 6.9;
Matches 35; Conservative 0; Mismatches 19; Indels 0; Gaps 0;
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SEQUENCE: US-09-398-550-1

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; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 2381 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
;   MOLECULE TYPE: cDNA
;   IMMEDIATE SOURCE:
;   LIBRARY:
;   CLONE: Consensus
;   US-08-736-770-4
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; Query Match      29.6%; Score 23.4; DB 2; Length 2381;
; Best Local Similarity 64.7%; Pred. No. 14;
; Matches 33; Conservative 1; Mismatches 17; Indels 0; Gaps 0;
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; Qy      19 TTGTTTAAACCCCAAAATGAGGGGAAGATGGTAACTTGAACCTCTATGAGCAC 69
;         | | | | | | | | | | | | | | | | | | | | | | | | | |
; Db      1048 TYCTGTATACCACAGACGGGTCAAATTGAAATTTTGAACTCTTTGATCAC 998
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Job time : 47.7233 secs

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OM nucleic - nucleic search, using sw model

Run on: August 8, 2004, 01:29:29 ; Search time 266.811 Seconds
(without alignments)
1451.768 Million cell updates/sec

Title: US-09-810-521-5
Perfect score: 79
Sequence: 1 gtaggttttttgcggggtt.....ctatgagcacaggttaaca 79

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 3222919 seqs, 2451570024 residues 6445838

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA:*

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- 2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:*
- 3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
- 4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*
- 5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*
- 6: /cgn2_6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq:*
- 7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:*
- 8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
- 9: /cgn2_6/ptodata/1/pubpna/US09A_PUBCOMB.seq:*
- 10: /cgn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq:*
- 11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq:*
- 12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*
- 13: /cgn2_6/ptodata/1/pubpna/US09A_PUBCOMB.seq:*
- 14: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq:*
- 15: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq:*
- 16: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq:*
- 17: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
- 18: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
- 19: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	79	100.0	79	9	US-09-810-521-5
2	79	100.0	79	13	US-09-801-321A-5
3	79	100.0	79	15	US-10-337-985-5
4	77.4	98.0	79	9	US-09-810-521-5
5	77.4	98.0	79	13	US-09-801-321A-4
6	77.4	98.0	79	15	US-10-337-985-4
7	77.4	98.0	1026	10	US-09-746-660A-53
8	77.4	98.0	1411	7	US-08-952-976-14
9	77.4	98.0	1411	15	US-10-226-136-14
10	77.4	98.0	3309400	9	US-09-738-626-1
11	61.6	78.0	80	9	US-09-810-521-6
12	61.6	78.0	80	13	US-09-801-321A-6
13	61.6	78.0	80	15	US-10-337-985-6
14	40	50.6	40	9	US-09-810-521-16

c 15	40	50.6	40	13	US-09-801-321A-14	Sequence 14, Appl
c 16	40	50.6	40	15	US-10-337-985-14	Sequence 14, Appl
c 17	33.6	42.5	40	9	US-09-810-521-18	Sequence 18, Appl
c 18	33.6	42.5	40	13	US-09-801-321A-16	Sequence 16, Appl
c 19	33.6	42.5	40	15	US-10-337-985-16	Sequence 16, Appl
c 20	32.6	41.3	39	9	US-09-810-521-17	Sequence 17, Appl
c 21	32.6	41.3	39	13	US-09-801-321A-15	Sequence 15, Appl
c 22	32.6	41.3	39	15	US-10-337-985-15	Sequence 15, Appl
c 23	28.4	35.9	30	15	US-10-067-742-25	Sequence 25, Appl
c 24	28.2	33.7	47115	12	US-10-052-482-133	Sequence 133, Appl
c 25	28	35.4	742	13	US-10-027-632-99671	Sequence 99671, A
c 26	28	35.4	742	13	US-10-027-632-99672	Sequence 99672, A
c 27	28	35.4	742	16	US-10-027-632-99671	Sequence 99671, A
c 28	28	35.4	742	16	US-10-027-632-99672	Sequence 99672, A
c 29	27.6	34.9	677	13	US-10-027-632-260979	Sequence 260979, A
c 30	27.6	34.9	677	16	US-10-027-632-260979	Sequence 260979, A
c 31	27.2	34.4	36	9	US-09-810-521-15	Sequence 15, Appl
c 32	27.2	34.4	36	13	US-09-801-321A-13	Sequence 13, Appl
c 33	27.2	34.4	36	15	US-10-337-985-13	Sequence 13, Appl
c 34	26.8	33.9	1007	13	US-10-027-632-252059	Sequence 252059, A
c 35	26.8	33.9	1007	16	US-10-027-632-252059	Sequence 252059, A
c 36	26.6	33.7	1071	13	US-10-335-977-2419	Sequence 2419, Ap
c 37	26.6	33.7	1248	13	US-10-335-977-2420	Sequence 2420, Ap
c 38	26.6	33.7	2193	16	US-10-369-493-24286	Sequence 24286, A
c 39	26.6	33.7	29220	9	US-09-764-868-1312	Sequence 1312, Ap
c 40	26.6	33.7	29220	9	US-09-764-868-1313	Sequence 1313, Ap
c 41	26	32.9	3673778	15	US-10-312-841-1	Sequence 1, Appli
c 42	25.8	32.7	714	15	US-10-106-698-1060	Sequence 1060, Ap
c 43	25.6	32.4	545	9	US-09-964-844A-132	Sequence 132, App
c 44	25.6	32.4	545	12	US-09-968-007A-818	Sequence 818, App
c 45	25.6	32.4	976	13	US-10-027-632-323798	Sequence 323798, A

ALIGNMENTS

RESULT 1

US-09-810-521-5
; Sequence 5, Application US/09810521
; Patent No. US20020055153A1
; GENERAL INFORMATION:
; APPLICANT: KREUTZER, CAROLINE
; APPLICANT: MOCKEL, BETTINA
; APPLICANT: PFEFFERLE, WALTER
; APPLICANT: EGGELE, LOTHAR
; APPLICANT: SAHM, HERMANN
; APPLICANT: PATEK, MIROSLAV
; TITLE OF INVENTION: L-LYSINE PRODUCING CORYNEBACTERIA AND
; TITLE OF INVENTION: PROCESS FOR THE PREPARATION OF LYSINE
; FILE REFERENCE: 21123/278416/MAS
; CURRENT APPLICATION NUMBER: US/09/810,521
; CURRENT FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: DE 199 31314.8
; PRIOR FILING DATE: 1993-05-07
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 5
; LENGTH: 79
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: the
; OTHER INFORMATION: dapa promoter of C. glutamicum with the
; OTHER INFORMATION: MC20 mutation
; NAME/KEY: mutation
; LOCATION: (45)
US-09-810-521-5

Query Match 100.0%; Score 79; DB 9; Length 79;
Best Local Similarity 100.0%; Pred. No. 1.6e-19;
Matches 79; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTAGTTTTTTCGGGGTGTGTTAAACCCCAATGAGGGAAGTGTGAACCTTGAACTC 60

Db 1 GTTAGGTTTTTGGGGGTTGTTTAAACCCCAATGAGGAAGATGTTAACTTGAATC 60

Qy 61 TATGAGCACAGGTTTAAACA 79
Db 61 TATGAGCACAGGTTTAAACA 79

RESULT 2

US-09-801-321A-5
; Sequence 5, Application US/09801321A
; Publication No. US20020086371A1
; GENERAL INFORMATION:
; APPLICANT: Kreutzer, Caroline
; APPLICANT: Hans, Stephan
; APPLICANT: Rieping, Mechthild
; APPLICANT: Mockel, Bettina
; APPLICANT: Pfeifferle, Walter
; APPLICANT: Eggeling, Lothar
; APPLICANT: Sahm, Hermann
; APPLICANT: Patek, Miroslav
; TITLE OF INVENTION: L-Lysine-Producing Corynebacterium and Process for the Preparation
; FILE REFERENCE: 21123/278409
; CURRENT APPLICATION NUMBER: US/09/801.321A
; CURRENT FILING DATE: 2001-03-08
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5
; LENGTH: 79
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(79)
; OTHER INFORMATION: dapA promoter of C. glutamicum carrying the MC20 mutation
; NAME/KEY: mutation
; LOCATION: (45)
US-09-801-321A-5

Query Match 100.0%; Score 79; DB 13; Length 79;
Best Local Similarity 100.0%; Pred. No. 1.6e-19;
Matches 79; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGTTTTTGGGGGTTGTTTAAACCCCAATGAGGAAGATGTTAACTTGAATC 60
Db 1 GTTAGGTTTTTGGGGGTTGTTTAAACCCCAATGAGGAAGATGTTAACTTGAATC 60

Qy 61 TATGAGCACAGGTTTAAACA 79
Db 61 TATGAGCACAGGTTTAAACA 79

RESULT 3

US-10-337-985-5
; Sequence 5, Application US/10337985
; Publication No. US20030162269A1
; GENERAL INFORMATION:
; APPLICANT: Kreutzer, Caroline
; APPLICANT: Hans, Stephan
; APPLICANT: Rieping, Mechthild
; APPLICANT: Mockel, Bettina
; APPLICANT: Pfeifferle, Walter
; APPLICANT: Eggeling, Lothar
; APPLICANT: Sahm, Hermann
; APPLICANT: Patek, Miroslav
; TITLE OF INVENTION: L-Lysine-Producing Corynebacterium and Process for the Preparation
; FILE REFERENCE: 21123/278409
; CURRENT APPLICATION NUMBER: US/10/337,985
; CURRENT FILING DATE: 2003-01-08
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 5
; LENGTH: 79
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(79)
; OTHER INFORMATION: dapA promoter of C. glutamicum carrying the MC20 mutation
; FEATURE:
; NAME/KEY: mutation
; LOCATION: (45)
US-10-337-985-5

Query Match 100.0%; Score 79; DB 15; Length 79;
Best Local Similarity 100.0%; Pred. No. 1.6e-19;
Matches 79; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGTTTTTGGGGGTTGTTTAAACCCCAATGAGGAAGATGTTAACTTGAATC 60
Db 1 GTTAGGTTTTTGGGGGTTGTTTAAACCCCAATGAGGAAGATGTTAACTTGAATC 60

Qy 61 TATGAGCACAGGTTTAAACA 79
Db 61 TATGAGCACAGGTTTAAACA 79

RESULT 4

US-09-810-521-4
; Sequence 4, Application US/09810521
; Patent No. US20020055153A1
; GENERAL INFORMATION:
; APPLICANT: KREUTZER, CAROLINE
; APPLICANT: MOCKEL, BETTINA
; APPLICANT: PFEFFERLE, WALTER
; APPLICANT: EGGELING, LOTHAR
; APPLICANT: SAHM, HERMANN
; APPLICANT: PATEK, MIROSLAV
; TITLE OF INVENTION: L-LYSINE PRODUCING CORYNEBACTERIA AND
; FILE REFERENCE: 21123/278416/MAS
; CURRENT APPLICATION NUMBER: US/09/810,521
; CURRENT FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: DE 199 31314.8
; PRIOR FILING DATE: 1999-05-07
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 79
; TYPE: DNA
; ORGANISM: Corynebacterium glutamicum
; FEATURE:
; OTHER INFORMATION: dapA wild-type promoter
US-09-810-521-4

Query Match 98.0%; Score 77.4; DB 9; Length 79;
Best Local Similarity 98.7%; Pred. No. 6.2e-19;
Matches 78; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GTTAGGTTTTTGGGGGTTGTTTAAACCCCAATGAGGAAGATGTTAACTTGAATC 60
Db 1 GTTAGGTTTTTGGGGGTTGTTTAAACCCCAATGAGGAAGATGTTAACTTGAATC 60

Qy 61 TATGAGCACAGGTTTAAACA 79
Db 61 TATGAGCACAGGTTTAAACA 79

RESULT 5

US-09-801-321A-4
; Sequence 4, Application US/09801321A
; Publication No. US20020086371A1
; GENERAL INFORMATION:
; APPLICANT: Kreutzer, Caroline

```

; APPLICANT: Hans, Stephan
; APPLICANT: Rieping, Mechthild
; APPLICANT: Mockel, Bettina
; APPLICANT: Pfefferle, Walter
; APPLICANT: Eggeling, Lothar
; APPLICANT: Sahn, Hermann
; APPLICANT: Patek, Miroslav
; TITLE OF INVENTION: L-Lysine-Producing Corynebacterium and Process for the Preparation
; FILE REFERENCE: 21123/278409
; CURRENT APPLICATION NUMBER: US/09/801.321A
; CURRENT FILING DATE: 2001-03-08
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4
; LENGTH: 79
; TYPE: DNA
; ORGANISM: Corynebacterium glutamicum
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(79)
; OTHER INFORMATION: dapA wild type promoter
US-09-801-321A-4

Query Match          98.0%; Score 77.4; DB 13; Length 79;
Best Local Similarity 98.7%; Pred. No. 6.2e-19;
Matches 78; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GTTAGGTTTTTGGCGGGTGTGTTAAACCCCAATGAGGAAGATGGTAACCTTGAACTC 60
Db 1 GTTAGGTTTTTGGCGGGTGTGTTAAACCCCAATGAGGAAGATGGTAACCTTGAACTC 60

QY 61 TATGAGCACAGGTTTAACA 79
Db 61 TATGAGCACAGGTTTAACA 79

RESULT 6
US-10-337-985-4
; Sequence 4, Application US/10337985
; Publication No. US20030162269A1
; GENERAL INFORMATION:
; APPLICANT: Kreutzer, Caroline
; APPLICANT: Hans, Stephan
; APPLICANT: Rieping, Mechthild
; APPLICANT: Mockel, Bettina
; APPLICANT: Pfefferle, Walter
; APPLICANT: Eggeling, Lothar
; APPLICANT: Sahn, Hermann
; APPLICANT: Patek, Miroslav
; TITLE OF INVENTION: L-Lysine-Producing Corynebacterium and Process for the Preparation
; FILE REFERENCE: 21123/278409
; CURRENT APPLICATION NUMBER: US/10/337,985
; CURRENT FILING DATE: 2003-01-08
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4
; LENGTH: 79
; TYPE: DNA
; ORGANISM: Corynebacterium glutamicum
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(79)
; OTHER INFORMATION: dapA wild type promoter
US-10-337-985-4

Query Match          98.0%; Score 77.4; DB 15; Length 79;
Best Local Similarity 98.7%; Pred. No. 6.2e-19;
Matches 78; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GTTAGGTTTTTGGCGGGTGTGTTAAACCCCAATGAGGAAGATGGTAACCTTGAACTC 60
; APPLICANT: IZUI, Masako
; APPLICANT: HAYAKAWA, Atsushi

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Db 1 GTTAGGTTTTTGGCGGGTGTGTTAAACCCCAATGAGGAAGATGGTAACCTTGAACTC 60
QY 61 TATGAGCACAGGTTTAACA 79
Db 61 TATGAGCACAGGTTTAACA 79

RESULT 7
US-09-746-660A-53
; Sequence 53, Application US/09746660A
; Publication No. US20030049804A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberhauer, Gregor
; APPLICANT: Kim, Jun-Won
; APPLICANT: Lee, Heung-Schick
; APPLICANT: Hwang, Byung-Joon
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING
; TITLE OF INVENTION: METABOLIC PATHWAY PROTEINS
; FILE REFERENCE: BGI-121CP2
; CURRENT APPLICATION NUMBER: US/09/746,660A
; CURRENT FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 09/606740
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: 09/603124
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 60/142101
; PRIOR FILING DATE: 1999-07-02
; PRIOR APPLICATION NUMBER: 60/148613
; PRIOR FILING DATE: 1999-08-12
; PRIOR APPLICATION NUMBER: 60/187970
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: DE 19931420.9
; PRIOR FILING DATE: 1999-07-08
; NUMBER OF SEQ ID NOS: 125
; SOFTWARE: PatentIn Vers. 2.0
; SEQ ID NO 53
; LENGTH: 1026
; TYPE: DNA
; ORGANISM: Corynebacterium glutamicum
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (101)..(1003)
; OTHER INFORMATION: RXA00865
US-09-746-660A-53

Query Match          98.0%; Score 77.4; DB 10; Length 1026;
Best Local Similarity 98.7%; Pred. No. 1.4e-18;
Matches 78; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GTTAGGTTTTTGGCGGGTGTGTTAAACCCCAATGAGGAAGATGGTAACCTTGAACTC 60
Db 40 GTTAGGTTTTTGGCGGGTGTGTTAAACCCCAATGAGGAAGATGGTAACCTTGAACTC 99

QY 61 TATGAGCACAGGTTTAACA 79
Db 100 TATGAGCACAGGTTTAACA 118

RESULT 8
US-08-952-976-14
; Sequence 14, Application US/08952976
; Publication No. US20020086370A1
; GENERAL INFORMATION:
; APPLICANT: CUSUNA, Seiko
; APPLICANT: SUGIMOTO, Masakazu
; APPLICANT: IZUI, Masako
; APPLICANT: HAYAKAWA, Atsushi

```

APPLICANT: NAKANO, Eiichi
 APPLICANT: KOBAYASHI, Masaki
 APPLICANT: YOSHIHARA, Yasuhiro
 APPLICANT: NAKAMATSU, Tsuyoshi
 TITLE OF INVENTION: METHOD OF PRODUCING L-LYSINE
 NUMBER OF SEQUENCES: 24
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MAIER & NEUSTADT, P.C.
 STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, FOURTH FLOOR
 CITY: ARLINGTON
 STATE: VA
 COUNTRY: USA
 ZIP: 22202
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/952,976
 FILING DATE: 8-DEC-1997
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: JP 7-140614
 FILING DATE: 07-JUL-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: NORMAN F. OBLON
 REGISTRATION NUMBER: 24,618
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 703-413-3000
 TELEFAX: 703-413-2220
 INFORMATION FOR SEQ ID NO: 14:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1411 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 ORGANISM: Brevibacterium lactofermentum
 STRAIN: ATCC 13869
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 311..1213
 US-08-952-976-14

Query Match 98.0%; Score 77.4; DB 7; Length 1411;
 Best Local Similarity 98.7%; Pred. No. 1.6e-18;
 Matches 78; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1 GTTAGGTTTTTTCGGGGTGTGTTTAAACCCCAATGAGGAGAGAGTGAACCTTGAACTC 60
 Db 250 GTTAGGTTTTTTCGGGGTGTGTTTAAACCCCAATGAGGAGAGTGAACCTTGAACTC 309
 QY 61 TATGAGCACAGGTTTAAACA 79
 Db 310 TATGAGCACAGGTTTAAACA 328

RESULT 9
 US-10-226-136-14
 Sequence 14, Application US/10226136
 Publication No. US20030054506A1
 GENERAL INFORMATION:
 APPLICANT: OTSUNA, Seiko
 APPLICANT: SUGIMOTO, Masakazu
 APPLICANT: IZUI, Masako
 APPLICANT: HAYAKAWA, Atsushi
 APPLICANT: NAKANO, Eiichi
 APPLICANT: KOBAYASHI, Masaki
 APPLICANT: YOSHIHARA, Yasuhiro
 APPLICANT: NAKAMATSU, Tsuyoshi

TITLE OF INVENTION: METHOD OF PRODUCING L-LYSINE
 NUMBER OF SEQUENCES: 24
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MAIER & NEUSTADT, P.C.
 STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, FOURTH FLOOR
 CITY: ARLINGTON
 STATE: VA
 COUNTRY: USA
 ZIP: 22202
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/10/226,136
 FILING DATE: 23-AUG-2002
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/952,976
 FILING DATE: 8-DEC-1997
 APPLICATION NUMBER: JP 7-140614
 FILING DATE: 07-JUL-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: NORMAN F. OBLON
 REGISTRATION NUMBER: 24,618
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 703-413-3000
 TELEFAX: 703-413-2220
 INFORMATION FOR SEQ ID NO: 14:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1411 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 ORGANISM: Brevibacterium lactofermentum
 STRAIN: ATCC 13869
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 311..1213
 US-10-226-136-14

Query Match 98.0%; Score 77.4; DB 15; Length 1411;
 Best Local Similarity 98.7%; Pred. No. 1.6e-18;
 Matches 78; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1 GTTAGGTTTTTTCGGGGTGTGTTTAAACCCCAATGAGGAGAGTGAACCTTGAACTC 60
 Db 250 GTTAGGTTTTTTCGGGGTGTGTTTAAACCCCAATGAGGAGAGTGAACCTTGAACTC 309
 QY 61 TATGAGCACAGGTTTAAACA 79
 Db 310 TATGAGCACAGGTTTAAACA 328

RESULT 10
 US-09-738-626-1/c
 Sequence 1, Application US/09738626
 Publication No. US20020197605A1
 GENERAL INFORMATION:
 APPLICANT: NAKAGAWA, SATOSHI
 APPLICANT: MIZOGUCHI, HIROSHI
 APPLICANT: ANDO, SEIKO
 APPLICANT: HAYASHI, MIKIRO
 APPLICANT: OCHIAI, KEIKO
 APPLICANT: YOKOI, HARUHIKO
 APPLICANT: TATEISHI, NAKO
 APPLICANT: SENOH, AKIHIRO
 APPLICANT: IKEDA, MASATO

```

; APPLICANT: OZAKI, AKIO
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-125
; CURRENT APPLICATION NUMBER: US/09/738.626
; CURRENT FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: JP 99/377484
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: JP 00/159162
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: JP 00/280988
; PRIOR FILING DATE: 2000-08-03
; NUMBER OF SEQ ID NOS: 7059
; SOFTWARE: PatentIn ver. 3.0
; SEQ ID NO 1
; LENGTH: 3309400
; TYPE: DNA
; ORGANISM: Corynebacterium glutamicum
US-09-738-626-1

Query Match      98.0%; Score 77.4; DB 9; Length 3309400;
Best Local Similarity 98.7%; Pred. No. 2e-17; Indels 0; Gaps 0;
Matches 78; Conservative 0; Mismatches 1;

Qy 1 GTTAGGTTTTTGGCGGGTTGTTTAAACCCCAATGAGGAAGATGCTAACCTTGAATC 60
Db 2080244 GTTAGGTTTTTGGCGGGTTGTTTAAACCCCAATGAGGAAGATGCTAACCTTGAATC 2080185

Qy 61 TATGAGCACAGGTTTAAACA 79
Db 2080184 TATGAGCACAGGTTTAAACA 2080166

RESULT 11
US-09-810-521-6
; Sequence 6, Application US/09810521
; Patent No. US20020055153A1
; GENERAL INFORMATION:
; APPLICANT: KREUTZER, CAROLINE
; APPLICANT: MOCKEL, BETTINA
; APPLICANT: PFEFFERLE, WALTER
; APPLICANT: EGGELING, LOTHAR
; APPLICANT: SAHM, HERMANN
; APPLICANT: PATEK, MIROSLAV
; TITLE OF INVENTION: L-LYSINE PRODUCING CORYNEBACTERIA AND
; FILE REFERENCE: 21123/278416/MAS
; CURRENT APPLICATION NUMBER: US/09/810.521
; CURRENT FILING DATE: 2001-03-13
; PRIOR APPLICATION NUMBER: DE 199 31314.8
; PRIOR FILING DATE: 1999-05-07
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 80
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: dapA promoter of C. glutamicum with the
; OTHER INFORMATION: MAl6 mutation
; NAME/KEY: mutation
; LOCATION: (35)..(53)
US-09-810-521-6

Query Match      78.0%; Score 61.6; DB 9; Length 80;
Best Local Similarity 93.8%; Pred. No. 5e-13; Indels 1; Gaps 1;
Matches 75; Conservative 0; Mismatches 4;

Qy 1 GTTAGGTTTTTGGCGGGTTGTTTAAACCCCAATGAGGAAGATGCTAACCTTGAATC 59
Db 1 GTTAGGTTTTTGGCGGGTTGTTTAAACCCCAATGAGGAAGATGCTAACCTTGAATC 60

Qy 60 CTATGAGCACAGGTTTAAACA 79
Db 60 CTATGAGCACAGGTTTAAACA 80

US-09-810-521-6
; Sequence 6, Application US/10337985
; Publication No. US20030162269A1
; GENERAL INFORMATION:
; APPLICANT: Kreutzer, Caroline
; APPLICANT: Hans, Stephan
; APPLICANT: Rieping, Mechthild
; APPLICANT: Mockel, Bettina
; APPLICANT: Pfefferle, Walter
; APPLICANT: Eggeling, Lothar
; APPLICANT: Sahm, Hermann
; APPLICANT: Patek, Miroslav
; TITLE OF INVENTION: L-Lysine-Producing Corynebacterium and Process for the Preparation
; FILE REFERENCE: 21123/278409
; CURRENT APPLICATION NUMBER: US/10/337,985
; CURRENT FILING DATE: 2003-01-08
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6
; LENGTH: 80
; TYPE: DNA
; ORGANISM: Artificial
```

```

Db 61 CTATGAGCACAGGTTTAAACA 80

RESULT 12
US-09-801-321A-6
; Sequence 6, Application US/09801321A
; Publication No. US20020086371A1
; GENERAL INFORMATION:
; APPLICANT: Kreutzer, Caroline
; APPLICANT: Hans, Stephan
; APPLICANT: Rieping, Mechthild
; APPLICANT: Mockel, Bettina
; APPLICANT: Pfefferle, Walter
; APPLICANT: Eggeling, Lothar
; APPLICANT: Sahm, Hermann
; APPLICANT: Patek, Miroslav
; TITLE OF INVENTION: L-Lysine-Producing Corynebacterium and Process for the Preparation
; FILE REFERENCE: 21123/278409
; CURRENT APPLICATION NUMBER: US/09/801,321A
; CURRENT FILING DATE: 2001-03-08
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6
; LENGTH: 80
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(80)
; OTHER INFORMATION: dapA promoter of C. glutamicum carrying the MAl6 mutation
; NAME/KEY: mutation
; LOCATION: (35)..(53)
US-09-801-321A-6

Query Match      78.0%; Score 61.6; DB 13; Length 80;
Best Local Similarity 93.8%; Pred. No. 5e-13; Indels 1; Gaps 1;
Matches 75; Conservative 0; Mismatches 4;

Qy 1 GTTAGGTTTTTGGCGGGTTGTTTAAACCCCAATGAGGAAGATGCTAACCTTGAATC 59
Db 1 GTTAGGTTTTTGGCGGGTTGTTTAAACCCCAATGAGGAAGATGCTAACCTTGAATC 60

Qy 60 CTATGAGCACAGGTTTAAACA 79
Db 61 CTATGAGCACAGGTTTAAACA 80

US-10-337-985-6
; Sequence 6, Application US/10337985
; Publication No. US20030162269A1
; GENERAL INFORMATION:
; APPLICANT: Kreutzer, Caroline
; APPLICANT: Hans, Stephan
; APPLICANT: Rieping, Mechthild
; APPLICANT: Mockel, Bettina
; APPLICANT: Pfefferle, Walter
; APPLICANT: Eggeling, Lothar
; APPLICANT: Sahm, Hermann
; APPLICANT: Patek, Miroslav
; TITLE OF INVENTION: L-Lysine-Producing Corynebacterium and Process for the Preparation
; FILE REFERENCE: 21123/278409
; CURRENT APPLICATION NUMBER: US/10/337,985
; CURRENT FILING DATE: 2003-01-08
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6
; LENGTH: 80
; TYPE: DNA
; ORGANISM: Artificial
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; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (1)-(80)
 ; OTHER INFORMATION: dapa promoter of C. glutamicum carrying the MAL6 mutation
 ; FEATURE:
 ; NAME/KEY: mutation
 ; LOCATION: (35)..(53)
 US-10-337-985-6

Query Match 78.0%; Score 61.6; DB 15; Length 80;
 Best Local Similarity 93.8%; Pred. No. 5e-13; Indels 1; Gaps 1;
 Matches 75; Conservative 0; Mismatches 4; Indels 1; Gaps 1;
 QY 1 GTTAGTTTTTGGGGGTTTAAACCCCC-AAATGAGGGAAGATGGTAACCTTGAAC 59
 Db 1 GTTAGTTTTTGGGGGTTTAAACCCCCAAATGAGGGAAGATGGTAATTTGAAC 60
 QY 60 CTATGAGCAGGTTTAACA 79
 Db 61 CTATGAGCAGGTTTAACA 80

RESULT 14

US-09-810-521-16/c
 ; Sequence 16, Application US/09810521
 ; Patent No. US20020055153A1
 ; GENERAL INFORMATION:
 ; APPLICANT: KREUTZER, CAROLINE
 ; APPLICANT: MCKEL, BETTINA
 ; APPLICANT: PFEFFERLE, WALTER
 ; APPLICANT: EGGLING, LOTHAR
 ; APPLICANT: SAHM, HERMANN
 ; APPLICANT: PATEK, MIROSLAV
 ; TITLE OF INVENTION: L-LYSINE PRODUCING CORYNEBACTERIA AND
 ; FILE REFERENCE: 21123/278416/MAS
 ; CURRENT APPLICATION NUMBER: US/09/810,521
 ; CURRENT FILING DATE: 2001-03-19
 ; PRIOR APPLICATION NUMBER: DE 199 31314.8
 ; PRIOR FILING DATE: 1999-05-07
 ; NUMBER OF SEQ ID NOS: 18
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 16
 ; LENGTH: 40
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: Artificial
 ; OTHER INFORMATION: Primer
 US-09-810-521-16

Query Match 50.6%; Score 40; DB 9; Length 40;
 Best Local Similarity 100.0%; Pred. No. 4.7e-05;
 Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 30 CCAATGAGGGAAGATGGTAACCTTGAACCTCTATGAGCAC 69
 Db 40 CCAATGAGGGAAGATGGTAACCTTGAACCTCTATGAGCAC 1

RESULT 15

US-09-801-321A-14/c
 ; Sequence 14, Application US/09801321A
 ; Publication No. US20020086371A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Kreutzer, Caroline
 ; APPLICANT: Hans, Stephan
 ; APPLICANT: Rieping, Mechthild
 ; APPLICANT: Mockel, Bettina
 ; APPLICANT: Pfefferle, Walter
 ; APPLICANT: Eggeling, Lothar
 ; APPLICANT: Sahm, Hermann
 ; APPLICANT: Patek, Miroslav

; TITLE OF INVENTION: L-Lysine-Producing Corynebacterium and Process for the Preparation
 ; FILE REFERENCE: 21123/278409
 ; CURRENT APPLICATION NUMBER: US/09/801,321A
 ; CURRENT FILING DATE: 2001-03-08
 ; NUMBER OF SEQ ID NOS: 16
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 14
 ; LENGTH: 40
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (1)..(40)
 ; OTHER INFORMATION: PCR primer
 US-09-801-321A-14

Query Match 50.6%; Score 40; DB 13; Length 40;
 Best Local Similarity 100.0%; Pred. No. 4.7e-05;
 Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 30 CCAATGAGGGAAGATGGTAACCTTGAACCTCTATGAGCAC 69
 Db 40 CCAATGAGGGAAGATGGTAACCTTGAACCTCTATGAGCAC 1

Search completed: August 8, 2004, 03:29:37
 Job time : 273.811 secs